SEQUENCE LISTING

<110> Wood, Kenneth W.
      Sakowicz; Roman
      Goldstein, Lawrence S.B.
      Cleveland, Don W.
      The Regents of the University of California

<120> Plus End-Directed Microtubule Motor Required for
      Chromosome Congression

<130> 18557C-000110US

<140> US 09/150,867
<141> 1998-09-10

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<170> PatentIn Ver. 2.0

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Ala Val Pro Ile Ile Arg Ser Ala Leu Gln Gly Tyr Asn Gly Thr Ile
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Thr Pro Asn Ser Leu Gly Ile Ile Pro Gln Ala Ile Gln Glu Val Phe
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Tyr Met Glu Ile Tyr Asn Glu Thr Val Lys Asp Leu Leu Cys Asp Asp
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Arg Arg Lys Lys Pro Leu Glu Ile Arg Glu Asp Phe Asn Arg Asn Val
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Tyr Val Ala Asp Leu Thr Glu Glu Leu Val Met Val Pro Glu His Val
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Ile Gln Trp Ile Lys Lys Gly Glu Lys Asn Arg His Tyr Gly Glu Thr
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Lys Met Asn Asp His Ser Ser Arg Ser His Thr Ile Phe Arg Met Ile
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Val Glu Ser Arg Asp Arg Asn Asp Pro Thr Asn Ser Glu Asn Cys Asp
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Ile Ile Cys Thr Ile Thr Pro Val Ser Phe Asp Glu Thr Leu Ser Thr
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Thr Lys Ala Gln Ala Met Ala Lys Glu Glu His Thr Gln Leu Leu Ala
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Val Gln Thr Asp Val Glu Lys Glu Val Val Arg Lys Glu Met Ser Val
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His Arg Lys Met Leu Glu Gln Lys Ile Val Asp Leu Glu Glu Phe Ile
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          835   840   845

Val Thr Arg Asp Ala Gln Lys Glu Cys Ser Phe Leu Arg Ser Glu Asn
850   855   860

Leu Glu Leu Lys Glu Lys Met Glu Asp Thr Ser Asn Trp Tyr Asn Gln
865   870   875   880

Lys Glu Lys Ala Ala Ser Leu Phe Glu Lys Gln Leu Glu Thr Glu Lys
              885   890   895

Ser Asn Tyr Lys Lys Met Glu Ala Asp Leu Gln Lys Glu Leu Gln Ser
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Pro Arg Asp Leu Leu Ser Arg Val Glu Leu Glu Lys Lys Val Ser Glu
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Phe Ser Lys Gln Leu Glu Lys Ala Leu Glu Glu Lys Asn Ala Leu Glu
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Asn Glu Val Thr Cys Leu Ser Glu Tyr Lys Phe Leu Pro Asn Glu Val
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Glu Cys Leu Lys Asn Gln Ile Ser Lys Ala Ser Glu Glu Ile Met Leu
          980   985   990

Leu Lys Gln Glu Gly Glu His Ser Ala Ser Ile Ile Ser Lys Gln Glu
          995   1000   1005

Ile Ile Met Gln Glu Gln Ser Glu Gln Ile Leu Gln Leu Thr Asp Glu
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Val Thr His Thr Gln Ser Lys Val Gln Gln Thr Glu Glu Gln Tyr Leu
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Glu Met Lys Lys Met His Asp Asp Leu Phe Glu Lys Tyr Ile Arg Asn
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Thr Met Glu Ser Val Glu Val Lys Ile Ala Asp Thr Lys His Glu Leu
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Phe Phe Gln Ala Met Gln Thr Ile Phe Pro Ile Thr Pro Leu Ser Asp
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Ser Leu Pro Pro Ser Lys Leu Val Glu Gly Asn Ser Gln Asp Pro Ile
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Glu Ile Asn Asp Tyr His Asn Leu Ile Ala Leu Ala Thr Glu Arg Asn
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Asn Ile Met Val Cys Leu Glu Thr Glu Arg Asn Ser Leu Lys Glu Gln
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Val Ile Asp Leu Asn Thr Gln Leu Gln Ser Leu Gln Ala Gln Ser Ile
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Glu Lys Ser Asp Leu Gln Lys Pro Lys Gln Asp Leu Glu Glu Gly Glu
1185   1190   1195   1200

Val Lys Leu Leu Leu Glu Met Glu Leu Leu Lys Gly His Leu Thr Asp
            1205   1210   1215

Ser Gln Leu Ser Ile Glu Lys Leu Gln Leu Glu Asn Leu Glu Val Thr
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Glu Lys Leu Gln Thr Leu Gln Glu Glu Met Lys Asn Ile Thr Ile Glu
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Arg Asn Glu Leu Gln Thr Asn Phe Glu Asp Leu Lys Ala Glu His Asp
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Ser Leu Lys Gln Asp Leu Ser Glu Asn Ile Glu Gln Ser Ile Glu Thr
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Arg Ala His Val Lys Ser Val Glu Gly Glu Asn Leu Glu Ile Thr Lys
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Glu Val Leu Lys Ser Met Leu Glu Asn Leu Lys Glu Asp Asn Asn Lys
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Gln Gln Thr His Glu His Leu Thr Ala Glu Val Asp His Leu Lys Glu
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Asn Ile Glu Leu Gly Leu Asn Phe Lys Asn Glu Ala Gln Gln Lys Thr
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Thr Lys Glu Gln Cys Leu Leu Asn Glu Asn Lys Glu Leu Glu Gln Ser
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Gln His Arg Leu Gln Cys Glu Ile Glu Glu Leu Met Lys Ser Leu Lys
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Asp Lys Glu Ser Ala Leu Glu Thr Leu Lys Glu Ser Glu Gln Lys Val
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Leu Arg Lys Ala Gln Glu Ala Leu Gln Gln Gln Lys Asp Lys Val Gln
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Glu Thr Leu Ser Leu Ser Leu Lys Glu Lys Glu Phe Ala Leu Glu Gln
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Ala Glu Lys Asp Lys Ala Asp Ala Ala Arg Lys Thr Ile Asp Ile Thr
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Glu Lys Ile Ser Asn Ile Glu Glu Gln Leu Leu Gln Gln Ala Thr Asn
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Leu Lys Glu Thr Leu Tyr Glu Arg Glu Ser Leu Ile Gln Cys Lys Glu
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Gln Leu Ala Leu Asn Thr Glu His Leu Arg Glu Thr Leu Lys Ser Lys
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Asp Leu Ala Leu Gly Lys Met Glu Gln Glu Arg Asp Glu Ala Ala Asn
    1970   1975   1980

Lys Val Ile Ala Leu Thr Glu Lys Met Ser Ser Leu Glu Glu Gln Ile
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